

LISTING OF THE CLAIMS:

1. (Currently Amended) A microwave generator (11) with a radiation antenna (26) which is connected to capacitors (13) which are to be recharged, and a high-voltage generator (35) as comprising an energy supplier for charging up the capacitors (13), wherein

~~characterised in that~~

the high-voltage generator (35) is connected ~~by way of~~ through the radiation antenna (26) to a succession of capacitors (13) ~~which can be successively connected~~ are sequentially connectable in parallel with each other.

2. (Currently Amended) A microwave generator according to claim 1 ~~characterised in that~~ wherein there is provided a coaxial succession of annular said capacitors (13) possessing first and second electrodes (15, 16), each capacitor having a respective said second counterpart electrode (16) connected together with the ~~others~~ other electrode (16) while the ~~other~~ first electrode (15) ~~can be connected~~ is connectable through a switch (39) to the most closely adjacent ~~one by way of a switch (39)~~ further electrodes (15).

3. (Currently Amended) A microwave generator according to ~~claim 1 or~~ claim 2 ~~characterised in that~~ wherein disposed in the interior of ~~the~~ a respective tubular said second electrode (16) is a number of axially mutually spaced annular said first electrodes (15).

4. (Currently Amended) A microwave generator according to ~~the preceding~~ claim 3 ~~characterised in that~~ wherein the annular first electrodes (15) are of a cup-shaped configuration with a centrally apertured bottom (19), ~~by means of~~ through which ~~they~~ said electrodes are arranged in a row on a carrier (20).

5. (Currently Amended) A microwave generator according to ~~one of the preceding claims~~ ~~characterised in that~~ claim 4, wherein spacer elements (21) are arranged on the carrier (20) between the cup bottoms (19).

6. (Currently Amended) A microwave generator according to ~~the preceding~~ claim 5, ~~characterised in that~~ wherein the cup-shaped electrodes (15) are braced axially on the carrier (20) by ~~means~~ the provision of an end cap (22) and the spacer elements (21) between ~~their~~ said bottoms (19).

7. (Currently Amended) A microwave generator according to ~~one of claims 3 to 6~~ ~~characterised in that~~ claim 3, wherein the spacings (17) between the annular electrodes (15) and the end profiles thereof are in the form of arc switches (39).

8. (Currently Amended) A microwave generator according to ~~one of claims 4 to 7~~ ~~characterised in that~~ claim 4, wherein a frustoconical radiation antenna (26) is ~~centred~~ centered by the carrier (20) and is electrically connected with ~~its~~ the smaller base (27) thereof to the first capacitor (13) located adjacent thereto on the carrier (20).

9. (Currently Amended) A microwave generator according to ~~one of the preceding claims~~
~~characterised in that the last~~ claim 2, wherein the capacitor (13) which is ~~remote~~ located remotest
from the energy infeed has an arc switch (39) in relation to a terminating electrode (33) which is
at the potential of the respective counterpart electrode (16).

10. (Original) A method of generating and radiating microwave energy characterised in
that a sequence of capacitors which are successively switched on is charged up from a capacitive
high-voltage generator by way of a radiation antenna.

11. (Currently Amended) A method according to claim 10 ~~characterised in that~~ wherein
the number of pulses to be radiated is predetermined by ~~way of~~ the number of capacitors which
are to be successively charged up and the radiated energy is predetermined ~~by way of~~ through the
capacitance of said capacitors.